From: David Smith
To: Osborne, Evan
Subject: RE: Sandy clay above Basalt Sill
Date: Wednesday, February 03, 2021 3:29:25 PM
Attachments: 01_28_2021 SROG responses to EPA Questions of 01_21_2021.pdf
Basalt sills and dikes permeability with reference to DJS 2 14.pdf

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Evan,
Attached please find a response to your 2 questions posed below. The first file "01_28_2021 SROG…" addresses the 2 questions. The second file is a bit more detailed response to the basalt question.

I believe that Mitch and Dale are addressing the mechanical questions RE the DJS 2-14 wellbore in your later email, I will check with them and get back with you.

I hope all is well, please call me anytime if you have any questions.

Regards,
Dave

From: Osborne, Evan <Osborne.Evan@epa.gov>
Sent: Thursday, January 21, 2021 2:54 PM
To: David Smith (b) (6) ; Dale Hayes (b) (6)
Subject: Re: Sandy clay above Basalt Sill

Dave and Dale,

Thanks for taking my calls this morning. If you would respond to this email providing evidence of the water production capacity and water quality (i.e., salinity) of the clay/sand interval directly above the basalt sill (depth approx. 4,300), that will help us complete our review. In the mud log for DJS 2-14, that zone has been called the "Wildcat Sand," but please correct me if I've misnamed…

Also, you mentioned that the basalt is expected to be a tight zone without appreciable fluid confinement. Would you provide a brief explanation? Elsewhere in the Snake River Plain, fractured basalts can act as hydrologic units.

If you have any questions, please call me anytime.

Thank you,

Evan

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